

AMENDMENTS TO THE CLAIMS

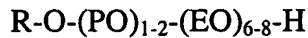
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DT04 Rec'd PCT/PTO 30 SEP 2004

This listing of claims will replace all prior versions and listings of claims in the application.

Listing of Claims

- 1-9. (Cancelled).
10. (New) A powdered peracetic acid disinfectant composition comprising:
- (a) a peroxide;
 - (b) an acylating agent; and
 - (c) a nonionic surfactant selected from the group consisting of linear or 2-methyl-branched ether alcohols having the formula



wherein R is

$C_8 = 0$ to 5 % by weight of the nonionic surfactant in the composition;
 $C_{9-10} = 75$ to 90 % by weight of the nonionic surfactant in the composition;
 $C_{11-12} = 5$ to 15 % by weight of the nonionic surfactant in the composition;
 $C_{13-14} = 4$ to 10 % by weight of the nonionic surfactant in the composition;
and

$C_{15-16} = 0$ to 3 % by weight of the nonionic surfactant in the composition

and the nonionic surfactant is free of alkoxyated alkyl phenol.

11. (New) The composition of claim 10, wherein the peroxide is selected from the group consisting of sodium perborate monohydrate, sodium perborate tetrahydrate, sodium percarbonate, and mixtures thereof.

12. (New) The composition of claim 10, wherein the acylating agent is selected from the group consisting of tetraacetyl glycoluril, tetraacetyl ethylenediamine, diacetyl hexahydrotriaone dione, and mixtures thereof.

13. (New) The composition of claim 10, further comprising
from about 10 to about 70 wt. % peroxide;
from about 10 to about 40 wt. % acylating agent; and
from about 0.1 to about 10 wt. % nonionic surfactant.

14. (New) The composition of claim 10, further comprising:
from about 15 to about 60 wt. % peroxide;
from about 15 to about 30 wt. % acylating agent; and
from about 0.5 to about 5 wt. % nonionic surfactant.

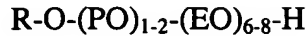
15. (New) The composition of claim 10, further comprising a soluble inorganic salt.

16. (New) The composition of claim 10, further comprising additional auxiliary ingredients.

17. (New) A method of disinfecting a surface comprising:

(a) providing a peracetic acid use composition in an amount effective to kill an organism selected from the group consisting of gram-positive bacteria, mycobacteria, viruses, and mixtures thereof, said use composition comprising from about 1 to about 10 wt. % of a powder diluted in water, said powder comprising:

- (i) a peroxide;
- (ii) an acylating agent; and
- (iii) a nonionic surfactant selected from the group consisting of linear or 2-methyl-branched ether alcohols having the formula



wherein R is

C_8 = 0 to 5 % by weight of the nonionic surfactant in the composition;

C_{9-10} = 75 to 90 % by weight of the nonionic surfactant in the composition;

C_{11-12} = 5 to 15 % by weight of the nonionic surfactant in the composition;

C_{13-14} = 4 to 10 % by weight of the nonionic surfactant in the composition;

and

C_{15-16} = 0 to 3 % by weight of the nonionic surfactant in the composition

and the nonionic surfactant is free of alkoxylated alkyl phenol; and

(b) applying said use composition to a surface.

18. (New) The method of claim 17, wherein the surface is a medical instrument.

19. (New) The method of claim 17, wherein the peroxide is selected from the group consisting of sodium perborate monohydrate, sodium perborate tetrahydrate, sodium percarbonate, and mixtures thereof.

20. (New) The method of claim 17, wherein the acylating agent is selected from the group consisting of tetraacetyl glycoluril, tetraacetyl ethylenediamine, diacetyl hexahydrotriaone dione, and mixtures thereof.

21. (New) The method of claim 17, the powder further comprising

from about 10 to about 70 wt. % peroxide;

from about 10 to about 40 wt. % acylating agent; and

from about 0.1 to about 10 wt. % nonionic surfactant.

22. (New) The method of claim 17, the powder further comprising:

from about 15 to about 60 wt. % peroxide;

from about 15 to about 30 wt. % acylating agent; and

from about 0.5 to about 5 wt. % nonionic surfactant.

23. (New) The method of claim 17, the powder further comprising a soluble inorganic salt.

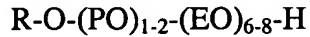
24. (New) The method of claim 17, the powder further comprising additional auxiliary ingredients.

25. (New) A powdered peracetic acid disinfectant composition comprising:

(a) a peroxide;

(b) an acylating agent; and

(c) a nonionic surfactant selected from the group consisting of linear or 2-methyl-branched ether alcohols having the formula



wherein R is at least about 75 % by weight C₁₀ of the nonionic surfactant in the composition;

and the nonionic surfactant is free of alkoxylated alkyl phenol.